

Substitute PTO/SB/RA (08-00)

Approved for use through 10/31/2002. OMB 0851-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	10/728,389
				Filing Date	December 1, 2003
				First Named Inventor	Michael BIRSCHBACH
				Group Art Unit	1745
				Examiner Name	To be assigned
Sheet	1	of	10	Attorney Docket Number	A-70547-2/RFT/VEJ

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	U.S. Patent Document Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
BL	A1	3,013,908	12/19/1961	LUCK <i>et al.</i>	
	A2	3,113,049	12/03/1963	WORSHAM	
	A3	3,368,922	02/13/1968	SALYER	
	A4	4,192,907	03/11/1980	JALAN <i>et al.</i>	
	A5	4,242,421	12/30/1980	KUDO <i>et al.</i>	
	A6	4,262,063	04/14/1981	KUDO <i>et al.</i>	
	A7	4,316,944	02/23/1982	LANDSMAN <i>et al.</i>	
	A8	4,373,014	02/08/1983	LANDSMAN <i>et al.</i>	
	A9	4,390,603	06/28/1983	KAWANA <i>et al.</i>	
	A10	4,395,322	07/26/1983	HARRIS	
	A11	4,407,904	10/04/1983	UOZUMI <i>et al.</i>	
	A12	4,407,905	10/04/1983	TAKEUCHI <i>et al.</i>	
	A13	4,413,041	11/01/1983	HEGEDUS	
	A14	4,417,969	11/29/1983	EZZELL <i>et al.</i>	
	A15	4,420,544	12/13/1983	LAWSON <i>et al.</i>	
	A16	4,446,210	05/01/1984	OKADA <i>et al.</i>	
	A17	4,447,506	05/08/1984	LUCZAK <i>et al.</i>	
	A18	4,456,521	06/26/1984	SOLOMON <i>et al.</i>	
	A19	4,476,002	10/09/1984	HOWARD <i>et al.</i>	
	A20	4,478,917	10/23/1984	FUJITA <i>et al.</i>	
	A21	4,481,266	11/06/1984	LITTAUER <i>et al.</i>	
	A22	4,524,113	06/18/1985	LESIEUR	
	A23	4,537,840	08/27/1985	TSUKUI <i>et al.</i>	
	A24	4,542,079	09/17/1985	TAKEUCHI <i>et al.</i>	
	A25	4,562,123	12/31/1985	SHIMIZU <i>et al.</i>	

Examiner Signature		Date Considered	9/6/07
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⁶ Applicant is to place a check mark here if English Language Translation is attached.

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			Examiner Name	To be assigned	
Sheet	2	of	10	Attorney Docket Number	A-70547-2/RFT/VEJ

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Examiner Initials*	Cite No. ¹	U.S. Patent Document Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
BZ	A26	4,576,877	03/18/1986	ALFENAAR	
	A27	4,612,261	09/16/1986	TSUKUI <i>et al.</i>	
	A28	4,614,692	09/30/1986	KAJIYAMA <i>et al.</i>	
	A29	4,614,837	09/30/1986	KANE <i>et al.</i>	
	A30	4,629,664	12/16/1986	TSUKUI <i>et al.</i>	
	A31	4,643,806	02/17/1987	HEGEDUS <i>et al.</i>	
	A32	4,647,359	03/03/1987	LINDSTROM	
	A33	4,670,359	06/02/1987	BESHTY <i>et al.</i>	
	A34	4,673,624	06/16/1987	HOCKADAY	
	A35	4,702,973	10/27/1987	MARIANOWSKI	
	A36	4,716,087	12/29/1987	ITO <i>et al.</i>	
	A37	4,755,272	07/05/1988	PLOWMAN	
	A38	4,761,209	08/02/1988	BONAVENTURA <i>et al.</i>	
	A38	4,761,349	08/02/1988	McPHEETERS <i>et al.</i>	
	A40	4,769,296	09/06/1988	STERZEL	
	A41	4,774,152	09/27/1988	MATSUMURA <i>et al.</i>	
	A42	4,774,153	09/27/1988	STERZEL	
	A43	4,794,054	12/27/1988	ITO <i>et al.</i>	
	A44	4,808,493	02/28/1989	BREAULT	
	A45	4,820,594	04/11/1989	SUGITA <i>et al.</i>	
	A46	4,828,941	05/09/1989	STERZEL	
	A47	4,855,193	08/08/1989	McELROY	
	A48	4,865,906	09/12/1989	SMITH, Jr.	
	A49	4,865,925	09/12/1989	LUDWIG <i>et al.</i>	
✓	A50	4,876,115	10/24/1989	RAISTRICK	

Examiner Signature		Date Considered	9/6/07
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	A51	4,937,220	06/26/1990	NICKOLS, Jr.	
	A52	4,970,128	11/13/1990	ITOH et al.	
	A53	4,985,386	01/15/1991	TSURUMI et al.	
	A54	4,988,582	01/29/1991	DYER	
	A55	5,004,424	04/02/1991	LARMINIE	
	A56	5,019,463	05/28/1991	MATSUBARA et al.	
	A57	5,024,905	06/18/1991	ITOH et al.	
	A58	5,034,288	07/23/1991	BOSSEL	
	A59	5,035,962	07/30/1991	JENSEN	
	A60	5,061,581	10/29/1991	NARANG et al.	
	A61	5,068,161	11/26/1991	KECK et al.	
	A62	5,079,107	01/07/1992	JALAN	
	A63	5,084,144	01/28/1992	REDDY et al.	
	A64	5,094,928	03/10/1992	DYER	
	A65	5,102,750	04/07/1992	TAYLOR	
	A66	5,102,751	04/07/1992	NARANG et al.	
	A67	5,132,193	07/21/1992	REDDY et al.	
	A68	5,171,644	12/15/1992	TSOU et al.	
	A69	5,178,971	01/12/1993	ITOH et al.	
	A70	5,183,713	02/02/1993	KUNZ	
	A71	5,186,877	02/16/1993	WATANABE	
	A72	5,189,005	02/23/1993	WATANABE et al.	
	A73	5,208,207	05/04/1993	STONEHART et al.	
	A74	5,225,391	07/06/1993	STONEHART et al.	
	✓	A75	5,234,772	08/10/1993	OGUCHI et al.

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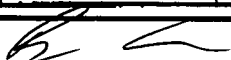
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				Group Art Unit	1745
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Sheet	4	of	10	Attorney Docket Number	A-70547-2/RFTVEJ

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BL	A76	5,234,777	08/10/1993	WILSON	
	A77	5,252,410	10/12/1993	WILKINSON <i>et al.</i>	
	A78	5,262,250	11/16/1993	WATANABE	
	A79	5,271,917	12/21/1993	HOFFMAN	
	A80	5,284,718	02/08/1994	CHOW <i>et al.</i>	
	A81	5,284,878	02/08/1994	STUDER <i>et al.</i>	
	A82	5,294,317	03/15/1994	SAITO <i>et al.</i>	
	A83	5,294,580	03/15/1994	DUFNER	
	A84	5,298,343	03/29/1994	SAVADOGO <i>et al.</i>	
	A85	5,312,876	05/17/1994	DANG <i>et al.</i>	
	A86	5,312,895	05/17/1994	DANG <i>et al.</i>	
	A87	5,314,760	05/24/1994	TSOU <i>et al.</i>	
	A88	5,314,762	05/24/1994	HAMADA <i>et al.</i>	
	A89	5,316,643	05/31/1994	AHN <i>et al.</i>	
	A90	5,330,860	07/19/1994	GROT <i>et al.</i>	
	A91	5,346,780	09/13/1994	SUZUKI	
	A92	5,367,051	11/22/1994	NARANG <i>et al.</i>	
	A93	5,378,508	01/03/1995	CASTRO	
	A94	5,384,208	01/24/1995	BRAND <i>et al.</i>	
	A95	5,403,675	04/04/1995	OGATA <i>et al.</i>	
A96	5,432,023	07/11/1995	YAMADA <i>et al.</i>		
A97	5,438,082	08/01/1995	HELMER-METZMANN <i>et al.</i>		
A98	5,468,574	11/21/1995	EHRENBERG <i>et al.</i>		
A99	5,472,799	12/05/1995	WATANABE		
✓	A100	5,480,735	01/02/1996	LANDSMAN <i>et al.</i>	

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BZ	A101	5,488,087	01/30/1996	CABASSO <i>et al.</i>	
	A102	5,489,563	02/06/1996	BRAND <i>et al.</i>	
	A103	5,501,915	03/26/1996	HARDS <i>et al.</i>	
	A104	5,503,944	04/02/1996	MEYER <i>et al.</i>	
	A105	5,505,851	04/09/1996	WAGENER <i>et al.</i>	
	A106	5,523,177	06/04/1996	KOSEK <i>et al.</i>	
	A107	5,525,436	06/11/1996	SAVINELL <i>et al.</i>	
	A108	5,525,568	06/11/1996	YAMAGUCHI <i>et al.</i>	
	A109	5,540,981	07/30/1996	GALLAGHER <i>et al.</i>	
	A110	5,547,911	08/20/1996	GROT	
	A111	5,548,055	08/20/1996	NARANG <i>et al.</i>	
	A112	5,561,202	10/01/1996	HELMER-METZMANN <i>et al.</i>	
	A113	5,573,866	11/12/1996	VAN DINE <i>et al.</i>	
	A114	5,576,074	11/19/1996	WEIGEL <i>et al.</i>	
	A115	5,599,638	02/04/1997	SURAMPUDI <i>et al.</i>	
	A116	5,616,431	04/01/1997	KUSUNOKI <i>et al.</i>	
	A117	5,631,099	05/20/1997	HOCKADAY	
	A118	5,633,098	05/27/1997	NARANG <i>et al.</i>	
	A119	5,635,039	06/03/1997	CISAR <i>et al.</i>	
	A120	5,641,586	06/24/1997	WILSON	
	A121	5,643,690	07/01/1997	TATEISHI <i>et al.</i>	
	A122	5,670,266	09/23/1997	THOMAS <i>et al.</i>	
	A123	5,672,439	09/30/1997	WILKINSON <i>et al.</i>	
	A124	5,683,829	11/04/1997	SARANGAPANI	
	A125	5,700,595	12/23/1997	REISER	

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BZ	A126	5,702,836	12/30/1997	MA <i>et al.</i>	
	A127	5,702,838	12/30/1997	YASUMOTO <i>et al.</i>	
	A128	5,723,229	03/03/1998	SCHEIFERS <i>et al.</i>	
	A129	5,731,104	03/24/1998	VENTURA <i>et al.</i>	
	A130	5,741,408	04/21/1998	HELMER-METZMANN <i>et al.</i>	
	A131	5,759,712	06/02/1998	HOCKADAY	
	A132	5,773,162	06/30/1998	SURAMPUDI <i>et al.</i>	
	A133	5,773,480	01/30/1998	STONE <i>et al.</i>	
	A134	5,789,093	08/04/1998	MALHI	
	A135	5,785,496	08/18/1998	YEN <i>et al.</i>	
	A136	5,798,187	08/25/1998	WILSON <i>et al.</i>	
	A137	5,804,325	09/08/1998	YEPEZ	
	A138	5,834,523	11/10/1998	STECK <i>et al.</i>	
	A139	5,834,566	11/10/1998	HELMER-METZMANN <i>et al.</i>	
	A140	5,846,615	12/08/1998	SHARMA <i>et al.</i>	
	A141	5,856,036	01/05/1999	SMOTKIN	
	A142	5,858,568	01/12/1999	HSU <i>et al.</i>	
	A143	5,863,673	01/26/1999	CAMPBELL <i>et al.</i>	
	A144	5,874,182	02/23/1999	WILKINSON <i>et al.</i>	
	A145	5,878,867	03/02/1999	ITOH <i>et al.</i>	
	A146	5,886,338	03/23/1999	NIGAM <i>et al.</i>	
	A147	5,894,038	04/13/1999	SHARMA <i>et al.</i>	
	A148	5,904,740	05/18/1999	DAVIS	
	A149	5,906,716	05/25/1999	MERTESDORF <i>et al.</i>	
✓	A150	5,916,699	06/29/1999	THOMAS <i>et al.</i>	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	10/726,389
				Filing Date	December 1, 2003
				First Named Inventor	Michael BIRSCHBACH
				Group Art Unit	1745
				Examiner Name	To be assigned
Sheet	7	of	10	Attorney Docket Number	A-70547-2/RFT/VEJ

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	U.S. Patent Document Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
BZ	A151	5,916,702	06/29/1999	MARUCCHI-SOOS <i>et al.</i>	
	A152	5,922,487	07/13/1999	WATANABE <i>et al.</i>	
	A153	5,928,806	07/27/1999	OLAH <i>et al.</i>	
	A154	5,945,231	08/31/1999	NARAYANAN <i>et al.</i>	
	A155	5,952,119	09/14/1999	WILSON	
	A156	5,954,928	09/21/1999	KISHI <i>et al.</i>	
	A157	5,958,616	09/28/1999	SALINAS <i>et al.</i>	
	A158	5,873,025	10/26/1999	NIGAM <i>et al.</i>	
	A159	5,976,725	11/02/1999	GAMO <i>et al.</i>	
	A160	5,980,998	11/09/1999	SHARMA <i>et al.</i>	
	A161	5,981,095	11/09/1999	LEDY <i>et al.</i>	
	A162	5,984,986	11/16/1999	WIESHEU <i>et al.</i>	
	A163	5,985,942	11/16/1999	STECK <i>et al.</i>	
	A164	5,992,008	11/30/1999	KINDLER	
	A165	5,993,984	11/30/1999	MATSUMURA <i>et al.</i>	
	A166	5,998,599	12/07/1999	RUEGG <i>et al.</i>	
	A167	6,007,930	12/28/1999	ADAMS <i>et al.</i>	
V	A168	6,007,934	12/28/1999	AUER <i>et al.</i>	
	A169	6,010,798	01/25/2000	HAMMERSCHMIDT <i>et al.</i>	
	A170	6,017,650	01/25/2000	RAMUNNI <i>et al.</i>	
	A171	6,040,077	03/21/2000	DEBE <i>et al.</i>	
	A172	6,045,934	04/04/2000	ENAMI	
	A173	6,048,473	04/11/2000	DEUDA <i>et al.</i>	
	A174	6,057,051	05/02/2000	UCHIDA <i>et al.</i>	
	A175	6,057,054	05/02/2000	BARTON <i>et al.</i>	

Examiner Signature		Date Considered	9/6/07
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents at www.uspto.gov or MPEP 801.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible.

⁶ Applicant is to place a check mark here if English Language Translation is attached.

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(1138311)

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Substitute for form 1449/PTO			Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Application Number	10/726,389	
			Filing Date	December 1, 2003	
			First Named Inventor	Michael BIRSCHBACH	
			Group Art Unit	1745	
			Examiner Name	To be assigned	
Sheet -	8	of	10	Attorney Docket Number	A-70547-2/RFT/VEJ

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	U.S. Patent Document Number-Kind Code* (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
BZ	A176	6,060,190	05/09/2000	CAMPBELL <i>et al.</i>	
	A177	6,066,410	05/23/2000	AUER <i>et al.</i>	
	A178	6,068,941	05/30/2000	FULLER <i>et al.</i>	
	A179	6,071,635	06/06/2000	CARLSTROM, JR.	
	A180	6,074,773	06/13/2000	WILKINSON <i>et al.</i>	
	A181	6,080,501	06/27/2000	KELLEY <i>et al.</i>	
	A182	6,080,503	06/27/2000	SCHMID <i>et al.</i>	
	A183	6,090,193	07/18/2000	NIGAM <i>et al.</i>	
	A184	6,093,502	07/26/2000	CARLSTROM, Jr. <i>et al.</i>	
	A185	6,100,600	08/08/2000	PFLANZ	
	A186	6,106,965	08/22/2000	HIRANO <i>et al.</i>	
	A187	6,110,613	08/29/2000	FULLER	
	A188	6,110,616	08/29/2000	SHEIKH-ALI <i>et al.</i>	
	A189	6,117,222	09/12/2000	NIGAM <i>et al.</i>	
	A190	6,117,579	09/12/2000	GYOTEN <i>et al.</i>	
	A191	6,127,055	10/03/2000	SIMMONS, Jr.	
	A192	6,137,280	10/24/2000	ACKERMANN <i>et al.</i>	
	A193	6,171,444 B1	01/09/2001	NIGAM	
	A194	6,241,787 B1	06/05/2001	NIGAM	
	A195	6,300,381 B1	10/09/2001	KERRES <i>et al.</i>	
	A196	6,309,772 B1	10/30/2001	ZUBER <i>et al.</i>	
	A197	6,326,097 B1	12/04/2001	HOCKADAY	
	A198	6,326,099 B1	12/04/2001	SCHUBERT	
	A199	2002/0045085 A1	04/18/2002	FORMATO <i>et al.</i>	
	A200	2002/0091225 A1	07/11/2002	McGARTH <i>et al.</i>	

Examiner Signature		Date Considered	9/16/02
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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents at www.uspto.gov or MPEP 801.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible.

⁶ Applicant is to place a check mark here if English Language Translation is attached.

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(1136311)

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Substitute for form 1449A/PTO			Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Application Number	10/726,389
			Filing Date	December 1, 2003
			First Named Inventor	Michael BIRSCHBACH
			Group Art Unit	1745
			Examiner Name	To be assigned
			Attorney Docket Number	A-70547-2/RFT/VEJ
Sheet	9	of	10	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.*	Foreign Patent Document Country Code* Number* Kind Code* (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T*
BL	A201	WO 95/27759 A1	10/19/1995	SRI INTERNATIONAL		
	A202	WO 98/22989 A1	05/28/1998	UNIVERSITY OF SOUTHERN CALIFORNIA		
	A203	WO 99/54389 A1	10/28/1999	UNIVERSITÄT STUTTGART	English Abstract	
	A204	WO 99/64407 A2	10/28/1999	UNIVERSITÄT STUTTGART	English Abstract	
	A205	WO 00/09610 A1	02/24/2000	THE RESEARCH FOUNDATION OF STATE UNIVERSITY OF NEW YORK		
	A206	WO 00/10736 A1	03/02/2000	SRI INTERNATIONAL		
	A207	WO 00/22684 A3	04/20/2000	FOSTER-MILLER, INC.		
	A208	WO 00/24796 A1	05/04/2000	FOSTER-MILLER, INC.		
	A209	WO 00/27513 A2	05/18/2000	AXIVA GMBH	English Abstract	
	A210	WO 00/35032 A1	06/15/2000	HOCKADAY et al.		
	A211	WO 00/52779 A1	09/08/2000	MOTOROLA, INC.		
	A212	EP 0,034,248 A1	08/26/1981	HENKEL KGAA	English Abstract	
	A213	EP 0,068,508 B1	09/24/1986	HITACHI, LTD.		
	A214	EP 0,310,860 A1	04/12/1989	A. HABERKORN GESELLSCHAFT m.b.H. & CO. KG	English Abstract	
	A215	EP 0,337,626 A1	10/18/1989	PCI MEMBRANE SYSTEMS LIMITED		
	A216	EP 0,674,791 B1	12/22/1999	AVENTIS RESEARCH & TECHNOLOGIES GmbH & Co. KG	See corresponding US 5,438,082	
	A217	EP 1,087,455 A2	03/28/2001	KABUSHIKI KAISHA TOSHIBA		
	A218	FR 2,793,450	11/17/2000	PEUGEOT CITROEN AUTOMOBILES SA	English Abstract	
	A219	GB 1,534,015	11/29/1978	INSTITUT FRANCAIS DU PETROLE		

Examiner Signature		Date Considered	9/6/07
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* Unique citation designation number. * See attached Kinds of U.S. Patent Documents at www.uspto.gov or MPEP 601.04. * Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). * For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. * Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. * Applicant is to place a check mark here if English Language Translation is attached.

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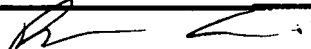
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Substitute for form 1448A/PTO			Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Application Number	10726,389
			Filing Date	December 1, 2003
			First Named Inventor	Michael BIRSCHBACH
			Group Art Unit	1745
			Examiner Name	To be assigned
			Attorney Docket Number	A-70547-2/RFT/VEJ
Sheet	10	of	10	

OTHER NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No.†	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume/issue number(s), publisher, city and/or country where published.		T‡
BZ	A220	GASTEIGER, H.A. <i>et al.</i> , "CH ₃ OH Oxidation on Well-Characterized Pt-Ru Alloys," Chemical Engineering Department, University of California at Berkeley and Lawrence Berkeley Laboratory, Berkeley, CA, pp. 1-5, March 15, 1993.		
	A221	GASTEIGER, H.A., "Methanol Electro-Oxidation on Well-Characterized Pt-Ru Alloys - Temperature Effects -", The Electrochemical Society Interface, pp. 49-50, Fall 1994.		
	A222	HUFFMAN, Brian, "Regulator Boosts Battery Voltage", Electronic Design, July 26, 1990, p. 58, vol. 38, no. 14, Penton Publishing, Cleveland, OH.		
	A223	KERRES, J. <i>et al.</i> , "Synthesis and Characterization of Novel Acid-Base Polymer Blends for Application in Membrane Fuel Cells," Solid State Ionics 125, pp. 243-249, 1999.		
	A224	MIYATAKE <i>et al.</i> , "Synthesis and Proton Conductivity of Highly Sulfonated Poly (thiophenylene)," Macromolecules, 30, pp. 2941-2946, 1997.		
	A225	MIYATAKE, K. <i>et al.</i> , "Synthesis of Poly (phenylene-sulfide sulfonic acid) via Poly (sulfonium cation) as a Thermostable Proton-Conducting Polymer," Macromolecules, 29, pp. 6969-6971, 1996.		
	A226	PARSONS, R. <i>et al.</i> , "The Oxidation of Small Organic Molecules A Survey of Recent Fuel Cell Related Research," Department of Chemistry, The University, Southampton SO9 5NH (Great Britain), pp. 9-45, July 22, 1998.		
	A227	RULKENS <i>et al.</i> , "Rigid-Rod Polyelectrolytes Based on Poly(p-Phenylene Sulfonic Acid)," Ber. Bunsenges. Phys. Chem., 100 (No. 6), pp. 707-714, 1996.		
	A228	WANG <i>et al.</i> , "A H ₂ /O ₂ Fuel Cell Using Acid Doped Polybenzimidazole as Polymer Electrolyte," Electrochemical Society Proceedings, Vol. 95-23, pp. 202-213, 1996.		
✓	A229	WHEELER, D.J. <i>et al.</i> , "Requirements for the Direct Methanol/Air Fuel Cell," Proceedings of the Workshop on Direct Methanol/Air Fuel Cells, Vol. 92-14, The Electrochemical Society, pp. 193-205, 1992.		

Examiner Signature		Date Considered	9/6/07
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† Unique citation designation number. ‡ See attached Kinds of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. § Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ¶ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ** Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. *** Applicant to place a check mark here if English Language Translation is attached.

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(1138311)



SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	
				10726,389	
				Filing Date	
				December 1, 2003	
				First Named Inventor	
Birschbach, Michael					
Art Unit					
1745					
Examiner Name					
To be assigned					
Attorney Docket Number					
A-70547-2/RFT/VEJ (4468940-00071)					

Sheet	1	of	1
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U.S. PATENT DOCUMENTS					
Examiner Initials*	Citeq No.	U.S. Patent Document Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
B	A1	4,508,793	04-02-1985	Kumata et al.	
	A2	4,640,873	02-03-1987	Tajima et al.	
	A3	4,642,274	02-10-1987	Tsutsumi et al.	
	A4	4,670,702	06-02-1987	Yamada et al.	
	A5	4,680,240	07-14-1987	Furukawa et al.	
	A6	4,686,157	08-11-1987	Miyake et al.	
	A7	5,229,222	07-20-1993	Tsutsumi et al.	
	A8	5,238,754	08-24-1993	Yasuo et al.	
	A9	5,302,471	04-12-1994	Ito et al.	
	A10	5,314,762	05-24-1994	Hamada et al.	
	A11	5,334,463	08-02-1994	Tajima et al.	
	A12	5,366,820	11-22-1994	Tsutsumi et al.	
	A13	5,541,015	07-30-1996	Tajima et al.	
	A14	5,627,737	05-06-1997	Maekawa et al.	
	A15	5,886,890	03-23-1999	Ishida et al.	
	A16	6,068,941	05-30-2000	Fuller et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Citeq No.	Foreign Patent Document Country Code ² Number ² Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T*
	B1					

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Citeq No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
B	C1	LANDGREBE, A.R., et al., "Direct Methanol-Air Fuel Cell: An Overview of the Workshop," Proc. Workshop Direct Methanol-Air Fuel Cells, A.R. Landgrebe, et al. (eds.), The Electrochemical Society, Inc.: Pennington, NJ 92(14):1-223 (1992).		

Examiner Signature		Date Considered	9/6/07
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.
¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English Language Translation is attached.
This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the complete application form to the USPTO. Time will vary depending on the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known		
				Application Number	10726,389	
				Filing Date	December 1, 2003	
				First Named Inventor	Michael BIRSCHBACH	
				Group Art Unit	1745	
Examiner Name	To be assigned					
Sheet	1	of	1	Attorney Docket Number	A-70547-2/RFT/VEJ (468940-00071)	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	U.S. Patent Document Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
BL	A1				

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ² Number ³ Kind Code ⁴ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁵
BL	A2	EP 1258936 A2/A3	11-20-2002	Hitachi Ltd.		
BL	A3	EP 1324415 A2/A3	07-02-2003	Matsushita Electric Industrial Co., Ltd.		
BL	A4	EP 1329972 A2/A3/A9	07-23-2003	Hewlett Packard Co.		
BL	A5	WO 00/52779 A1	09-08-2000	Motorola Inc.		
BL	A6	WO 02/084772 A2/A3	10-24-2002	Siemens Inc.		

OTHER NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	A7		

Examiner Signature		Date Considered	9/6/07
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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English Language Translation is attached.

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(1168928)

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Substitute for form 1449A/PTO (Modified)		Complete if Known	
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/726,389
		Filing Date	December 1, 2003
		First Named Inventor	Birschbach, Michael
		Art Unit	1745
		Examiner Name	Ben Lewis
Sheet 1 of 1	Attorney Docket Number	A-70547-2/RFT/VEJ (4468940-00071)	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	U.S. Patent Document Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
BL	A1 †	US-2002/0172853 A1	11-21-2002	Kamo et al.	
BL	A2 †	US-6268077 B1	07-31-2001	Kelley et al.	
BL	A3 †(††)	US-6537691 B1	03-25-2003	Poschmann et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ² Number ³ Kind Code ⁴ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁵
BL	B1 †	DE 10118744 A1	10-31-2002	Siemens AG		
BL	B2 †(††)	WO 00/24076 A1	04-27-2000	DBB Fuel Cell Engines Gesellschaft MIT Beschränkter Haftung		

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